

Ross Equatoreal. From the times given above, 17.8 seconds must be subtracted to obtain the corresponding times at Greenwich, that being the longitude of my Observatory East. Its latitude is $51^{\circ} 0' 56''.3$ North.

Fores' T. n^o. M. n^o. Uckfield:
1881. Mar. 12.

NOTE.—The Superintendent of the *Nautical Almanac* has informed the President that the calculation of the occultation of *Venus* for Greenwich was made in the usual course. It happened to be upon a form by itself, and was accidentally overlooked in making up the copy of occultations visible at Greenwich for the press. The omission subsequently escaped detection.

Note on the Transit of the IVth Satellite of Jupiter, 1884, March 12. By Edmund J. Spitta.

Whilst looking at *Jupiter* on March 12 at 9 P.M. I observed what I took to be a very well-defined shadow. On referring to the *Nautical Almanac* I found it was the IVth satellite itself—pitch black, transiting the disc of its primary, having accomplished about one-third of its course.

I left the telescope, and returning at 11 P.M. again saw the satellite—now more than half way across—as well defined and *black* as before. I note this because I believe it unusual for satellite IV to appear *black*, the colour more often being chocolate or brown. The spot seemed lifted off the planet.

At 11.45, as the time of egress was approaching, the satellite began to lose both its colour and definition; whilst at 11.50 it was still less apparent, being hardly visible five minutes later. I now fancied in the next few seconds I saw the satellite illuminated on the disc, but as the air at the moment was very unsteady I cannot be certain. At 12 o'clock, during a wave of magnificent definition, to my surprise I distinctly re-saw the satellite, almost as black as before, *quite close to the limb*, which I believe in this situation is very unusual. During the next seven minutes it was entirely lost to view, but at 12.7, one minute before the egress, it burst into unmistakable brilliancy.

I did not observe the ingress, but I am informed by one who did, that it was bright until lost in the dazzling splendour of the planet.

Ivy House, Clapham Common:
1884, March 13.

Phenomena of Jupiter's Satellites observed at Stonghurst in 1883. By the Rev. S. J. Perry, F.R.S.

1883, Jan. 3	Satellite.	Phenomena.	G.M.T.		Corr. of N.A.	Observer.	Remarks.
			h	m s			
20	II.	Tr. E. Internal contact	5	35	20.9	J.R.	Definition fair. Haze.
		Bisection	37	48.0			
		External contact	40	7.3			
Feb. 11	I.	Oc. D. External contact	5	40	19.8	J.R.	Definition poor. Haze.
		Last seen	43	45.3			
	I.	Tr. I. External contact	8	22	44.0	W.McK.	Good.
11		Bisection	26	38.0			
		Internal contact	29	47.5			
12	I.	Tr. E. Internal contact	10	39	52.9	W.McK.	Difficult. Haze.
		Bisection	43	47.9			
		External contact	47	0.4			
16	I.	Oc. R. First seen	8	59	14.7	W.McK.	Very satisfactory.
		Half light	9	0	36.1		
		Full light	1	55.9			
16	III.	Oc. R. First seen	7	1	23.6	W.McK.	Good. Haze.
		Bisection	4	36.1			
		External contact	7	4.1			